## **ABSTRACT**

A reflector structure in a liquid crystal display having light condensing effect [0050] 1 comprises mainly an active device substrate, a condenser having diffraction or refraction 2 3 effect being formed above the substrate, a spacing layer being formed above and covering the condenser, and a reflective unit being formed above the spacing layer. The condenser 4 can be a holographic diffraction unit, micro prisms or micro lens unit. It can be on a TFT 5 substrate or a color filter. The color filter can be located at the same or opposite side with 6 the TFT substrate. The spacing layer may be an over coat layer, a color filter, a color 7 filter and an over coat layer on the color filter, or a substrate. The reflective unit also has 8 9 various structures, reflective angles, and reflective effects. The invention utilizes the condenser to collect light. 60% to 95% of unused backlight is collected. The backlight 10 gain is over 120% to 400%, thereby greatly saving the power consumption for the 11 12 backlight source.